

## Summary

A fuel injector (1) for fuel injection systems of internal combustion engines includes a solenoid coil (10); an armature (20) acted upon in a closing direction by a restoring spring (23); and a valve needle (3), which is connected to the armature (20) in force-  
5 locking manner and on which a valve-closure member (4) is formed, which forms a sealing seat together with a valve seat surface (6). The armature (20) strikes against a stop face (39) of an inner pole (13) of the solenoid coil (10) by way of a stop face (38), and the armature stop face (38) is provided with a coating (40). The coating (40) has a surface structure (41).

10 (Figures 1, 2A and 2B)